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The attached draft document has been withdrawn, and is provided solely for historical purposes. It has been superseded by the document identified below.

- **Withdrawal Date**: March 20, 2020
- **Original Release Date**: October 9, 2019

### Superseding Document

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CMVP Approved Non-Invasive Attack Mitigation Test Metrics:

CMVP Validation Authority Updates to ISO/IEC 24759:2014(E)

Kim Schaffer

INFORMATION SECURITY
CMVP Approved Non-Invasive Attack Mitigation Test Metrics:

CMVP Validation Authority Updates to ISO/IEC 24759:2014(E)

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Computer Security Division
Information Technology Laboratory

October 2019
Authority

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Abstract

NIST Special Publication (SP) 800-140F replaces the approved non-invasive attack mitigation test metric requirements of ISO/IEC 19790 Annex F. As a validation authority, the Cryptographic Module Validation Program (CMVP) may supersede this Annex in its entirety. This document supersedes ISO/IEC 19790 Annex F and ISO/IEC 24759 paragraph 6.18.

Keywords

attack mitigation; Cryptographic Module Validation Program; CMVP; FIPS 140 testing; FIPS 140; ISO/IEC 19790; ISO/IEC 24759; non-invasive; testing requirement; vendor evidence; vendor documentation.

Audience

This document is focused toward the vendors, testing labs, and CMVP for the purpose of addressing issues in cryptographic module testing.
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1 Scope

This document specifies the Cryptographic Module Validation Program (CMVP) modifications of the methods to be used by a Cryptographic and Security Testing Laboratory (CSTL) to demonstrate conformance. This document also specifies the modification of methods for evidence that a vendor or testing laboratory provides to demonstrate conformity. Unless otherwise specified in this document, the test requirements are specified in ISO/IEC 24759 paragraph 6.18.

2 Normative references

This section identifies additional references to the normative references cited in ISO/IEC 24759. For dated references (e.g., ISO/IEC 19790:2012/Cor.1:2015(E)), only the edition cited applies. For undated references (e.g., ISO/IEC 19790), the latest edition of the referenced document (including any amendments) applies.


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3 Terms and definitions

The following terms and definitions supersede or are in addition to ISO/IEC 19790 and ISO/IEC 24759.

No additional terms at this time.

4 Symbols and abbreviated terms

The following symbols and abbreviated terms supersede or are in addition to ISO/IEC 19790 and ISO/IEC 24759 throughout this document:

CCCS Canadian Centre for Cyber Security
CMVP Cryptographic Module Validation Program
CSD Computer Security Division
CSTL Cryptographic and Security Testing Laboratory
FIPS Federal Information Processing Standard
FISMA Federal Information Security Management/Modernization Act
5 Document organization

5.1 General

Section 6 of this document replaces the approved non-invasive attack mitigation test metrics requirements of ISO/IEC 19790 Annex F and ISO/IEC 24759 paragraph 6.18.

5.2 Modifications

Modifications will follow a similar format as in ISO/IEC 24759. For additions to test requirements, new Test Evidence (TEs) or Vendor Evidence (VEs) will be listed by increasing the “sequence_number.” Modifications can include a combination of additions using underline and deletions using strikethrough. If no changes are required, the paragraph will indicate “No change.”

6 CMVP-approved non-invasive attack mitigation test metric requirements

6.1 Purpose

This document identifies CMVP-approved non-invasive attack mitigation test metrics.

6.2 Approved non-invasive attack mitigation test metrics


ISO/IEC 20085-1 Information technology – Security techniques – Test tool requirements and test tool calibration methods for use in testing non-invasive attack mitigation techniques in cryptographic modules — Part 1: Test tools and techniques (pending publication)

### Document Revisions

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